



The State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

Representatives Present During the Inspection:

Company	Russell Hardy
OGM	Priscilla Burton Environmental Scientist III

Inspection Report

Permit Number:	C0150007
Inspection Type:	PARTIAL
Inspection Date:	Thursday, January 27, 2005
Start Date/Time:	1/27/2005 2:30:00 PM
End Date/Time:	1/27/2005 5:00:00 PM
Last Inspection:	Wednesday, December 08, 2004

Inspector: Priscilla Burton, Environmental Scientist III

Weather: overcast

InspectionID Report Number: 522

Accepted by: whedberg
2/11/2005

Permittee: **CONSOLIDATION COAL CO**

Operator: **CONSOLIDATION COAL CO MID-CONTINENT REGION**

Site: **HIDDEN VALLEY MINE**

Address: **PO BOX 566, SESSER IL 62884**

County: **EMERY**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **RECLAIMED**

Current Acreages

960.00	Total Permitted
6.70	Total Disturbed
6.70	Phase I
	Phase II
	Phase III

Mineral Ownership

- ☐ Federal
☐ State
☐ County
☒ Fee
☐ Other

Types of Operations

- ☒ Underground
☐ Surface
☐ Loadout
☐ Processing
☐ Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Rain the previous night created very muddy and wet conditions at the site. Ivie Creek was flowing swiftly at a high level. Silt fences on the A-seam side were ponding water. Pocks or gouges on the B-seam side were holding water and remnants of snow. Old rebar and silt fence remaining on the site should be removed when conditions allow.

Inspector's Signature

Date

Friday, January 28, 2005

Priscilla Burton, Environmental Scientist III

Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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Inspection Continuation Sheet

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REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The permit was originally issued to Hidden Valley Coal Co. (a subsidiary of California Portland Cement) in 1980 and transferred to Consol Energy in 1995.

3. Topsoil

The original 1979 application (written by Soldier Creek Coal Co., also a subsidiary of California Portland Cement) indicates that the site was originally a pinyon, juniper, and shadscale community. The soil was the Castle Valley Series. Bedrock was encountered at 20 inches. According to the 1979 application, the soil was to be removed prior to disturbance and placed beneath the pavement of the access road. However, the 1986 Decision Document describes one topsoil 770 cu yd stockpile on the B seam pad. (The topsoil had an E.C. of 2.43 and a SAR of 1.8.) This source of topsoil was redistributed over the 2.1 acre B seam area at a depth of 2.5 inches. B seam pad materials were sampled and found to have E.C. values of 3.67 and 4.42 mmhos/cm³ and SAR values of 3.41 and 2.32. Coarse material from the road outslope was used to regrade the B-seam (south facing slope in 1997). By way of comparison, the A seam had no topsoil available for use in reclamation and the fill had an E.C. of 4.15 and an SAR of 5.75.

4.c Hydrologic Balance: Other Sediment Control Measures

The site was wet and very muddy. Pocks on the B-seam side contained some snow. No sediments were noted leaving the B-seam side. On the A-seam side, silt fences were ponding a lot of water and no sediment was leaving the site.

4.d Hydrologic Balance: Water Monitoring

Ivie Creek was flowing swiftly at a high level in response to rains the previous night. The water was brown (chocolate milk) in color, due to the amount of sediments. The requirements for monitoring are to sample and measure flow two times a year during May and September. Water quality is also to be sampled at discharge points from the reclaimed area to Ivie Creek when observed during scheduled monitoring visits (water quality and revegetation checks) (p 62a, MRP). No samples were taken on this date.

8. Noncoal Waste

Discarded rebar and old silt fence should be removed from the west facing slope when the site dries out.

13. Revegetation

Site was originally reclaimed in 1986. After 10 years, only 6% cover was noted in a quantitative evaluation of the site (1996 annual report). Regrading and seeding of the B seam portals and storage area (South facing slope) was conducted by Consolidation Coal Co. in the Fall of 1997. Slopes were reduced from 2.8h:1v to 2h:1v, silt fences were replaced with a surface cover of coarse fragments and pocking as a sediment control. No mulch was used. Seed was broadcast using a hand spreader, then raked. Seed mix is found on page 4 of the 1997 amendment to the MRP. Local seed was collected by the Division inspector (Susan White) and broadcast on the site (personal communication on 2/8/05). Ms. White commented that the regraded soil was light and fluffy and she suggested that the operator withhold some seed for later, after the soil had settled, so that the fine seed would not be covered. The A seam portal side (west facing slope) was not regraded, in favor of seeing how the south facing slope responded. The silt fences were purposely left on the west facing side to provide sediment control where there was no pocking. A recent evaluation of the revegetation on the reclamation is found in the 2003 Annual Report. For the "main area" there was 6.9% vegetative cover, (6.3% for the reseeded South facing slope alone). For the Roadway there was 9.1% vegetative cover. The reference area had 16.6% cover. Neither the disturbed areas nor the reference areas appeared to have changed at all in 7 years (since 1996). The average precipitation over the last seven years was reported as 8.32 inches annually.

16.b Roads: Drainage Controls

Erosion control for the road was the subject of a Ten Day Notice (May 6, 1994). In 1994, erosion control matting and/or fiberdam material was placed at three locations where road drainage was discharged by water bars (pp 21 b - d, MRP). The matting (Landlok TRM 1060) was used at seven sites where metal staples could be anchored. Checkdams made of "Fiberdam" were installed at six sites to encourage deposition of sediments, but allow the passage of water. The Landlok matting was inspected and found to be torn in places. Water had eroded the soil out from beneath the matting in places. Silt fences at the base of the access road slope were ponding a lot of water, so that no sediment was leaving the site.

The fiberfill and matting will be inspected once a month during April through October and after weather patterns with substantial runoff and a photographic record will be kept to identify trends toward stabilization (p 21-d, MRP).

22. Other

The site can be located on Walker Flat Utah quadrangle in W1/2 Sec 17, T. 23 S., R. 6 E., 7 miles Southwest of Emery. The site is at an elevation of 5900 ft. and receives 8 inches average annual precipitation.